

511 h.  
**2021 ACTION PLAN UPDATE  
BOROUGH OF BEACH HAVEN**

The following activities have been determined by Committee to constitute a viable action plan for Floodplain Management in the Borough of Beach Haven, Ocean County, New Jersey.

**PREVENTIVE:**

1. The Borough Public Works Department, in conjunction with the Ocean County Road Department will continue to conduct annual inspections of the stormwater drainage system.

Action: 1998 and out  
Budget: DPW

*This program is ongoing.*

2. The Borough Public Works Departments, in conjunction with the Borough of Tuckerton under a Shared Services Agreement, will clean and flush the pipe system as a result of inspection determinations.

Action: 1998 and out  
Budget: DPW

*Continues as an ongoing program, based on results in Item #1 above.*

3. The Borough Public Works Department will upgrade the existing stormwater drainage system by:
  - a. Replace existing Type "B" inlet castings with Type "A" or Type "E" castings. *This has been accomplished on all repaved streets utilizing Local Aid Funding. This year the streets included 9<sup>th</sup> Street (Between Delaware Avenue and Bay Avenue).*
  - b. Increase size of drain inlets/basins. *This year inlet size and grates will be rebuilt on the roads listed in Item "a" above.*
  - c. Increase diameter size of drainage piping.
  - d. The Borough has appropriated \$50,000 to install tide valves at various streets to prevent back bay flooding.

Action: 1998 and out  
Budget: Municipal Budget, also apply for FMA, State and County grants and low interest loans.

4. The Borough Water/Sewer Department will install waterproof gaskets and manholes "Inflow Shields", in sanitary sewer manholes to deter street water and silt infiltration into the sanitary sewer system. These units will also be required to be installed in any remedial repair or sanitary sewer upgrades that are put out to Public Bid.

Action: 1998 and out  
Budget: Beach Haven Sewage Authority and apply for FMA, State and County Grants and Low Interest Loans.

5. The Borough Governing Body will continue funding and support Beach Dune Maintenance Programs to prevent wave washover.

Action: 1998  
Budget: Staff

This item is on-going.

6. The Borough Engineer and the "Land Use Board" will continue to analyze all Municipal and private projects within the Borough for compliance with Floodplain Management Plan and in particular for opportunities to reduce the amount of impermeable surface coverage in existing or planned private and Municipal projects.

Action: 1998  
Budget: Staff

This program is on-going. Ordinance 2020-13C of the Borough Code has been adopted to require 40% of each lot to maintain pervious surface to permit surface water runoff to be absorbed onsite. In addition, as a result of the NJDEP requirements for Stormwater Management, the Stormwater Control Ordinance Section 177 of the Borough Code has been adopted by the Borough to implement additional stormwater control features to reduce runoff on commercial and residential projects.

7. The Borough Engineer will propose to the "Land Use Board" and the Governing Body, that an ordinance be enacted that would limit the use of impermeable materials in all parking facilities.

Action: 1998  
Budget: Staff

The Borough "Land Use Board" permits and encourages the use of non-permeable materials such as clam shells and porous paving on site plan applications. The Master Plan of the Borough recommends the reduction of the impervious coverage from 75% to 60%. The Borough recently adopted a new ordinance to limit impervious coverage to 60%.

## PROPERTY PROTECTION:

1. Review Building/Zoning Department records for all available elevation certificates issued in the Borough for yearend analysis and reporting. *(Section 511j. Implement, Evaluate and Revise).*

Action: 1998  
Budget: Staff

*This item is on-going. The Borough has been scanning the flood elevation certificate information in order to maintain a database. The new 2020 Elevation Certificate must be used on all forms completed after February 21, 2020. Results of the 2018 Three-Year CRS Audit resulted in the Borough maintaining their 25% discount as a Class 5 Community.*

2. Make the Public more aware of the need and availability of Flood Insurance and the various types of Flood Protection/Flood proofing methods:
  - a. Participate in Public functions and set up information booths and coordinate with other Municipalities for input.
  - b. Place informative handouts on Flood Hazard and Protection in St. Francis' Community Center, LBI Health Center and the LBI Foundation of the Arts and various commercial locations including real estate offices. Borough Hall and Beach Haven Library also have the latest flood information.
  - c. Have local insurance agents assist at the information booths and have them speak at Public/Fraternal meetings about Flood Insurance.

Action: 1998  
Budget: Staff

*At the annual "Chowderfest" and "Waterfest" events held each year a visitor table is to be set up with Data on Flood Protection and is mutually manned by representatives of Barneget Light, Harvey Cedars, Ship Bottom, Surf City, Township of Long Beach, Beach Haven and Stafford Township. The Borough also sends out a notice two (2) times a year regarding flood protection and NFIP requirements. The information is also available on the Borough web site [www.beachhaven-nj.gov](http://www.beachhaven-nj.gov). In addition, the Borough has two (2) mailings per year to residents which include Flood Protection information. As part of this mailing, the information reaches all repetitive loss properties. It was also noted that the State of New Jersey requires Insurance Companies to include a separate page with each homeowner policy indicating it doesn't include Flood Insurance.*

*A new outreach activity has been enacted which involves three (3) presentations each year by Frequent Flood Risk Evaluation.*

3. The Borough shall cause to correct ten percent (10%) of all current Repetitive Loss Properties. This could be done by and with mutual consent of the owner in a joint undertaking of obtaining of Federal funds and low interest loans to accomplish this task.

Action: 1998 and out

Budget: FMA and SBA Grants and Low Interest Loans

We note that as a result of the growth in Beach Haven that a number of repetitive loss properties have been demolished with new homes built in conformance with the flood regulations. Also as a result of Superstorm Sandy, a large number of homes are being elevated. Currently we have 60 repetitive loss properties on the FEMA inventory. This list will be updated at the next cycle based on demolitions and elevations of homes.

The Borough has been awarded HMGP Grant Funding under Structural Elevation Project FEMA-4264-DR-NJ-005 to elevate nine (9) homes in the Borough. The project must be completed by June of 2022.

#### **NATURAL RESOURCES PROTECTION:**

1. The Borough should continue its Dune Protection Program and the practice of providing Free Dune Grass plants to beachfront property owners and enlisting the aid of the local Scouting Organizations and other local clubs, associations and fraternal orders.

Action: 1998

Budget: Staff

This program is ongoing. It was noted that excess dune grass not planted by the various Organizations is planted by the Public Works Department. As a result of Superstorm Sandy, the Borough's Beach Dune Restoration Committee raised funds and substantially planted the west side of the dunes throughout the Borough. In addition, the ACOE Storm Damage Reduction Project for the entire length of the Borough has been completed.

2. The Borough Building Department will continue to monitor all construction projects to ensure the continued adherence to the "Soil Erosions/Stabilization" requirements.

Action: 1998

Budget: Building Department

This item is ongoing.

#### **EMERGENCY SERVICES:**

1. The Borough Office of Emergency Management (OEM) will continue to hold coordinated drills with neighboring Communities on evaluation of the critical facilities as listed in the Section 511e. "Assess the Hazard". The Borough is designated a "Storm Ready Community" which was renewed in 2020.

Action: 1998  
Budget: Staff

*This mutual-aid cooperation is continuing.*

2. The Borough Office of Emergency Management will continue to coordinate with neighboring communities to utilize existing sirens for additional Public warning. The Borough has contracted with Everbridge for an Emergency Notification System (similar to Reverse 911 for early notifications). *Also, residents may register for email and text alerts through Nixle on the Borough web pages. In addition, Facebook Alerts are also posted by the Borough.*

Action: 1998  
Budget: Staff

*This mutual-aid cooperation is continuing.*

3. The Borough Office of Emergency Management will continue to coordinate with neighboring communities to coordinate the use of media warning so that all communities are using common "language".

Action: 1998  
Budget: Staff

*This item is continually reviewed during multi-community or County OEM meetings.*

#### **STRUCTURAL PROJECTS:**

1. The Governing Body shall continue the Beach Replenishment Program.

Action: 1998  
Budget: Staff

*This item is ongoing. As a result of the completion of the ACOE Storm Reduction Project, the Borough will continue to maintain the project. However, on a 7 year cycle or in the event of a declared storm, the ACOE will return to re-evaluate and replenish the project template.*

2. The Governing Body shall endeavor to seek County Aid in upgrading the existing storm drainage system.

Action: 1998  
Budget: Staff

*This item is ongoing. The Borough recently reviewed and made a preliminary assessment of the storm water system. As a result, an application to NJEIT the Barnegat Bay Initiative has been submitted to construct three storm water pump stations (at 7<sup>th</sup> Street, at 12<sup>th</sup> Street and Pearl Street) along with treatment devices. The project will also include replacement of approximately 6,000 LF of storm sewer.*

## PUBLIC INFORMATION:

1. The Borough Building/Zoning Department shall continue to make available to the Public Floodplain Management and *FIRM* Maps and Log inquiries.

Action: 1998

Budget: Staff

*This program is ongoing. It was noted that the maps "FIRMETTES" are available online through the FEMA Map Services Website.*

2. The Office of Emergency Management shall continue to conduct various outreach projects to Fraternal and Public assemblies to explain the Flood Hazard problem and the OEM Warning and Evacuation Plan.

Action: 1998

Budget: Staff

*This program is ongoing.*

3. The Floodplain Committee will ensure that all outreach facilities have the most current and updated Flood Hazard Information.

Action: 1998

Budget: Staff

*This program is ongoing.*

4. The Floodplain Management Plan Committee will meet each year to review the Action Plan and make recommendations and updates.

Action: 1998

Budget: Staff

*The annual meeting this year was held on 09/28/21 via Zoom Meeting. The comments included herein are a result of that meeting. The following were in attendance: Bill Tromm, Bev Tromm, Frank Little, Chris Carson, Jim Sferra, Sherry Mason, Sean MacCotter and Allison Iannaccone.*

5. The Borough will maintain partnership with the regional effort to develop a multi-jurisdictional PPI (Program for Public Information) with all the other municipalities on Long Beach Island and Stafford Township conforming to the requirements of the 2017 CRS Manual to establish a regional approach to public outreach for Flood Risk and Awareness.

Action: 2014  
Budget: Staff

The Borough is a participant in the County's All Hazard Mitigation Plan which approved on July 16, 2020. The Borough recently completed the annual update to the county Plan for allowable action items. The Borough participated in the recent 5-Year PPI Program update.

#### **POST MITIGATION:**

1. A Post Mitigation Policy currently exists via the State and County approved Municipal Office of Emergency Management.
2. During a Flood Hazard condition, the Public Works Department, Water/Sewer, Fire and First Aid Departments relocates its equipment to higher, safer ground within the Municipality. Dependent upon predicted flood forecasts, some of the equipment may be relocated off the Island to insure the safety and usability of the equipment. Municipally owned specialized high wheeled 4X trucks and other evacuation vehicles will also be utilized.
3. Once the Flood Hazard has subsided, the Public Works Department equipment is then dispatched to perform its Post Flood Operations.
  - a. Ensure that all Borough streets are safe and free from flood debris. The debris material is collected and stockpiled in the Public Works Yard for later permanent disposal.
  - b. Ensure that all handicap accessible beach ramps are in place and operational. Any damaged ramps are repaired.
  - c. Finally all beach areas are cleared of debris.
  - d. Any wayward or dislocated boats found in areas other than the natural waterways (Ocean and Bay) by the DPW Personnel have their ID numbers checked and owners notified by the Police Department, and the boat is then stored in the DPW Yard until picked up by the owner.
4. Any property owner with Flood debris on their property is to call the DPW and inform them of the situation and the DPW will remove the debris which has been placed within the street Right-of-Way.
5. Once the Flood Evacuation Notice is given by the OEM, Police and other OEM Personnel remain in the Municipality to ensure Public Safety and Property.
6. The Municipal Clerk, Custodian of Official Records, ensures the security and safe placement of official documents at the time of an official evacuation.



7. A list of critical personnel is forwarded to the OEM in Stafford Township who controls entry to the Island via the Causeway, in conjunction with Island Officials to allow those persons to enter on the Island.
  - a. Additional Public Safety Personnel, Fire, First Aid, Medical, Municipal Departmental Personnel (DPW, Water, Sewer and Other Public Utilities)
  - b. Damage Assessment Teams
  - c. Tow Trucks, Equipment Service Trucks, and Fuel Trucks.
8. At the time for the residents and, or property owners to return, they must show proof of residency or ownership to the proper Police Authority at the Causeway entry to proceed on to the Island. The six (6) island towns and Stafford Township have adopted a re-entry plan in the event of an evacuation. Color coded placards have been issued to residents that would allow a coordinated re-entry after an event including Special Color coded placards for Essential Personnel. During Superstorm Sandy, October 29<sup>th</sup> to October 30, 2012, there was a mandatory evacuation of Long Beach Island. Re-entry placards were used and re-entry was orderly at check points along Route 72. The island towns and Stafford Township have adopted a REVISED re-entry plan in the event of an evacuation which is effective through 2025. As a result of Superstorm Sandy, a decision was made to issue 10 zone designations for re-entry instead of 3 that were used previously. ID's for boats will also be added.
9. After Action Assessments and critiques will be held with the Municipal Officials after the emergency to ensure proper measures and protective actions occurred as planned. Corrective actions and suggestions will be evaluated to incorporate into the Flood Plan.

Action: 1998 and out

Budget: Apply for FMA Grants and Other Federal and State Grant Programs.

Insofar as Post Mitigation Process, the plan was implemented recently during Superstorm Sandy and went according to plan.